

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. W A D 9 8 0 7 3 8 5 4 6	Manifest Document No. 06001	2. Page 1 of 1	Information in the shaded areas is not required by Federal law.	
3. Generator's Name and Mailing Address Alaskan Copper Works P.O. Box 3546, Seattle, WA 98124				A. State Manifest Document Number		
4. Generator's Phone (206) 382-8379				B. State Generator's ID		
5. Transporter 1 Company Name Philip Transportation and Remediation		6. US EPA ID Number CA 0063547996		C. State Transporter's ID		
7. Transporter 2 Company Name		8. US EPA ID Number		D. Transporter's Phone		
9. Designated Facility Name and Site Address World Resources Company 8113 West Sherman Street Tolleson, Arizona 85353-4025		10. US EPA ID Number A Z D 9 8 0 7 3 5 5 0 0		E. State Transporter's ID		
				F. Transporter's Phone		
				G. State Facility's ID		
				H. Facility's Phone 800-972-1955		
11. US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number)				12. Containers	13. Total Quantity	14. Unit Wt/Vol
				No.	Type	Waste No.
a.	HM	RQ, Hazardous waste, solid, n.o.s., (F006), 9, NA3077, III	064	C F	05952	P F006
b.		RQ, Hazardous waste, solid, n.o.s., (D007), 9, NA3077, III	043	D M	28420	P D007
c.						
d.						
J. Additional Descriptions for Materials Listed Above				K. Handling Codes for Wastes Listed Above		
15. Special Handling Instructions and Additional Information 24 Hour Emergency Response: 1-800-424-9300 CHEMTREC (Use CHEMTREC company code "WORR") (Emergency call pager # 206-648-8423) Wear gloves & goggles P.O. # M 98431						
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.						
Printed/Typed Name Gerald Thompson				Signature <i>[Signature]</i>		Month Day Year 10/3/29/06
17. Transporter 1 Acknowledgement of Receipt of Materials						
Printed/Typed Name Steven Hutchison				Signature <i>[Signature]</i>		Month Day Year 10/3/29/06
18. Transporter 2 Acknowledgement of Receipt of Materials						
Printed/Typed Name				Signature		Month Day Year
19. Discrepancy Indication Space						
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.						
Printed/Typed Name DANNY RODRIGUEZ				Signature <i>[Signature]</i>		Month Day Year 10/4/05/06



WORLD RESOURCES

01:10PM 04/05/2006

GROSS 1355 lb

TARE 77 lb

NET 1278 lb

WORLD RESOURCES

01:11PM 04/05/2006

GROSS 1839 lb

TARE 77 lb

NET 1762 lb

WORLD RESOURCES

01:13PM 04/05/2006

GROSS 1466 lb

TARE 77 lb

NET 1389 lb

WORLD RESOURCES

01:14PM 04/05/2006

GROSS 1292 lb

TARE 77 lb

NET 1215 lb

ACCUM 5644 lb

04/05/2006 01:14PM

282

TONS

WORLD RESOURCES
12:06PM 04/05/2006
GROSS 309 lb
TARE 52 lb
NET 257 lb

WORLD RESOURCES
12:07PM 04/05/2006
GROSS 403 lb
TARE 52 lb
NET 351 lb

WORLD RESOURCES
12:08PM 04/05/2006
GROSS 392 lb
TARE 52 lb
NET 340 lb

WORLD RESOURCES
12:09PM 04/05/2006
GROSS 324 lb
TARE 52 lb
NET 272 lb

WORLD RESOURCES
12:10PM 04/05/2006
GROSS 505 lb
TARE 52 lb
NET 453 lb

WORLD RESOURCES
12:11PM 04/05/2006
GROSS 433 lb
TARE 52 lb
NET 381 lb

WORLD RESOURCES
12:13PM 04/05/2006
GROSS 407 lb
TARE 52 lb
NET 355 lb

WORLD RESOURCES
12:14PM 04/05/2006
GROSS 370 lb
TARE 52 lb
NET 318 lb

WORLD RESOURCES
12:15PM 04/05/2006
GROSS 309 lb
TARE 52 lb
NET 257 lb

WORLD RESOURCES
12:17PM 04/05/2006
GROSS 314 lb
TARE 52 lb
NET 262 lb

WORLD RESOURCES
12:18PM 04/05/2006
GROSS 373 lb
TARE 52 lb
NET 321 lb

WORLD RESOURCES
12:19PM 04/05/2006
GROSS 334 lb
TARE 52 lb
NET 282 lb

WORLD RESOURCES
12:20PM 04/05/2006

NET 270 lb
WORLD RESOURCES
12:21PM 04/05/2006
GROSS 718 lb
TARE 52 lb
NET 666 lb
WORLD RESOURCES
12:22PM 04/05/2006
GROSS 361 lb
TARE 52 lb
NET 309 lb
WORLD RESOURCES
12:23PM 04/05/2006
GROSS 358 lb
TARE 52 lb
NET 306 lb
WORLD RESOURCES
12:24PM 04/05/2006
GROSS 399 lb
TARE 52 lb
NET 347 lb
WORLD RESOURCES
12:25PM 04/05/2006
GROSS 764 lb
TARE 52 lb
NET 712 lb
WORLD RESOURCES
12:27PM 04/05/2006
GROSS 804 lb
TARE 52 lb
NET 752 lb
WORLD RESOURCES
12:31PM 04/05/2006
GROSS 990 lb
TARE 52 lb
NET 938 lb
WORLD RESOURCES
12:32PM 04/05/2006
GROSS 943 lb
TARE 52 lb
NET 891 lb
WORLD RESOURCES
12:34PM 04/05/2006
GROSS 880 lb
TARE 52 lb
NET 828 lb
WORLD RESOURCES
12:35PM 04/05/2006
GROSS 980 lb
TARE 52 lb
NET 928 lb
WORLD RESOURCES
12:37PM 04/05/2006
GROSS 970 lb
TARE 52 lb
NET 918 lb
WORLD RESOURCES
12:39PM 04/05/2006
GROSS 829 lb
TARE 52 lb
NET 777 lb
WORLD RESOURCES
12:41PM 04/05/2006
GROSS 971 lb
TARE 52 lb
NET 919 lb
WORLD RESOURCES

WORLD RESOURCES
12:46PM 04/05/2006
GROSS 945 lb
TARE 52 lb
NET 893 lb
WORLD RESOURCES
12:48PM 04/05/2006
GROSS 908 lb
TARE 52 lb
NET 856 lb
WORLD RESOURCES
12:49PM 04/05/2006
GROSS 808 lb
TARE 52 lb
NET 756 lb
WORLD RESOURCES
12:50PM 04/05/2006
GROSS 898 lb
TARE 52 lb
NET 846 lb
WORLD RESOURCES
12:52PM 04/05/2006
GROSS 759 lb
TARE 52 lb
NET 707 lb
WORLD RESOURCES
12:53PM 04/05/2006
GROSS 912 lb
TARE 52 lb
NET 860 lb
WORLD RESOURCES
12:54PM 04/05/2006
GROSS 847 lb
TARE 52 lb
NET 795 lb
WORLD RESOURCES
12:55PM 04/05/2006
GROSS 901 lb
TARE 52 lb
NET 849 lb
WORLD RESOURCES
12:56PM 04/05/2006
GROSS 804 lb
TARE 52 lb
NET 752 lb
WORLD RESOURCES
12:58PM 04/05/2006
GROSS 880 lb
TARE 52 lb
NET 828 lb
WORLD RESOURCES
12:59PM 04/05/2006
GROSS 1045 lb
TARE 52 lb
NET 993 lb
WORLD RESOURCES
01:00PM 04/05/2006
GROSS 1033 lb
TARE 52 lb
NET 981 lb
WORLD RESOURCES
01:01PM 04/05/2006
GROSS 909 lb
TARE 52 lb
NET 857 lb
WORLD RESOURCES
01:02PM 04/05/2006

WORLD RESOURCES
01:05PM 04/05/2006
GROSS 666 lb
TARE 52 lb
NET 614 lb
ACCU 27085 lb
04/05/2006 01:05PM

13.54
TONS

AKC-0016720



GENERAL INTERNAL
PURCHASE REQUISITION

ITEM NO.	ACCT. NO.	QUAN-TITY	UNIT	DESCRIPTION & PART NUMBERS	UNIT PRICE	TOTAL LINE ITEM PRICE
1	6686	1	LOT	TRANSPORTATION & RECYCLE OF F006 SLUDGE 5952 LBS (T)	650 ⁰⁰ POUNDS	
2	6686	1	LOT	TRANSPORTATION & RECYCLE OF D007 SLUDGE 28420 LBS (T)	355 ⁰⁰ POUNDS	

REQUESTED BY 	DATE 3/29/06	APPROVED BY 	DATE 3/29/06
<input type="checkbox"/> HERE FOR RETURN OF YELLOW COPY		TO BE FILLED IN BY PURCHASING DEPT.	
PURPOSE OR USE		P.O. NUMBER M 98431	
DELIVERY NEEDED BY		VENDOR World Resources	
SHIP TO ADDRESS		CONTACT	TELEPHONE NO.
SUGGESTED VENDOR World Resources		DELIVERY PROMISED	SHIP VIA



ITEM NO.	ACCT. NO.	QUANTITY	UNIT	DESCRIPTION & PART NUMBERS	UNIT PRICE	TOTAL LINE ITEM PRICE
1	60686	1	LST	TRANSPORTATION & Recycle of Food Sludge S95Z lbs (T)	650 ⁰⁰ per ton	
2	60686	1	lot	TRANSPORTATION & Recycle of Dooz Sludge 28420 lbs (T)	355 ⁰⁰ per ton	
				X Brown		

DATE _____

APPROVED BY

DATE

☒ HERE FOR RETURN OF YELLOW COPY

PURPOSE OR USE

DELIVERY NEEDED BY

SHIP TO ADDRESS

SUGGESTED VENDOR

423004 Rev. 7/96

TO BE FILLED IN BY PURCHASING DEPT.

P.O. NUMBER

VENDOR

CONTACT

**DELIVERY
PROMISED**

TELEPHONE
NO.

SHIP VIA

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. W A D 9 8 0 7 3 8 5 4 6		Manifest Document No. 060701		2. Page 1 of 1		Information in the shaded areas is not required by Federal law.					
3. Generator's Name and Mailing Address Alaskan Copper Works P.O. Box 3546, Seattle, WA 98124 206 382-8379						A. State Manifest Document Number							
4. Generator's Phone ()						B. State Generator's ID							
5. Transporter 1 Company Name Philip Transportation and Brokerage						C. State Transporter's ID							
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7. Transporter 2 Company Name						E. State Transporter's ID							
8. US EPA ID Number						F. Transporter's Phone							
9. Designated Facility Name and Site Address World Resources Company 8113 West Sherman Street Tolleson, Arizona 85353-4025						G. State Facility's ID							
10. US EPA ID Number A Z D 9 8 0 7 3 5 5 0 0						H. Facility's Phone 800-972-1955							
11. US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number)						12. Containers		13. Total Quantity		14. Unit Wt/Vol		15. Waste No.	
a. <input type="checkbox"/> HM RQ, Hazardous waste, solid, n.o.s., (F006), 9, NA3077, III						No. Type							
						434 C F		05.9.52		P		F006	
b. <input type="checkbox"/> RQ, Hazardous waste, solid, n.o.s., (D007), 9, NA3077, III													
						043 D H		28.420		P		D007	
c. <input type="checkbox"/>													
d. <input type="checkbox"/>													
J. Additional Descriptions for Materials Listed Above						K. Handling Codes for Wastes Listed Above							
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Printed/Typed Name Gerald Thompson						Signature [Signature]						Month Day Year 03/29/06	
17. Transporter 1 Acknowledgement of Receipt of Materials													
Printed/Typed Name Steven H. Hise						Signature [Signature]						Month Day Year 03/29/06	
18. Transporter 2 Acknowledgement of Receipt of Materials													
Printed/Typed Name						Signature						Month Day Year	
19. Discrepancy Indication Space													
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.													
Printed/Typed Name						Signature						Month Day Year	



MATERIAL IDENTIFICATION

DOT BASIC SHIPPING DESCRIPTION AND TECHNICAL NAME:
Hazardous waste, solid, n.o.s., (D007), 9, NA3077, III

NORTH AMERICAN
EMERGENCY
RESPONSE

TAKEN FROM GUIDE 171 OF THE NORTH AMERICAN EMERGENCY RESPONSE GUIDEBOOK

(Underlined text applies directly to the material listed above)

POTENTIAL HAZARDS

FIRE OR EXPLOSION

1. Some may burn, but none ignite readily.
2. Some may polymerize (P) explosively when heated or involved in a fire.
3. Containers may explode when heated.
4. Some may be transported hot.

HEALTH

1. Inhalation of material may be harmful.
2. Contact may cause burns to skin and eyes.
3. Inhalation of Asbestos dust may have a damaging effect on the lungs.
4. Fire may produce irritating, corrosive and/or toxic gases.
5. Runoff from fire control may cause pollution.

PUBLIC SAFETY

1. CALL CHEMTREC at 1-800-424-9300 FOR EMERGENCY ASSISTANCE (Use CHEMTREC Company Code "W0RR").
2. Isolate spill or leak area immediately for at least 10 to 25 meters (30-80 feet) in all directions.
3. Keep unauthorized personnel away.
4. Stay upwind.

PROTECTIVE CLOTHING

1. Wear positive pressure self-contained breathing apparatus (SCBA).
2. Structural firefighters' protective clothing will only provide limited protection.

EVACUATION

Fire

1. If tank, rail car or tank truck is involved in a fire, ISOLATE for 800 meters (1/2 mile) in all directions; also, consider initial evacuation for 800 meters (1/2 mile) in all directions.

FIRE

EMERGENCY RESPONSE

Small Fires

1. Dry chemical, CO₂, water spray or regular foam.

Large Fires:

1. Water spray, fog or regular foam.
2. Move containers from fire area if you can do it without risk.
3. Do not scatter spilled material with high pressure water streams.
4. Dike fire-control water for later disposal.

Fire Involving Tanks:

1. Cool containers with flooding quantities of water until well after fire is out.
2. Withdraw immediately in case of rising sound from venting safety devices or discoloration of tank.
3. ALWAYS stay away from the ends of tanks.

SPILL OR LEAK

1. Do not touch or walk through spilled material.
2. Stop leak if you can do it without risk.
3. Prevent dust cloud.
4. Avoid inhalation of asbestos dust.

Small Dry Spills

1. With clean shovel, place material into clean, dry container and cover loosely; move containers from spill area.

Small Spills

1. Take up with sand or other noncombustible absorbent material and place into containers for later disposal.

Large Spills

1. Dike far ahead of liquid spill for later disposal.
2. Cover powder spill with plastic sheet or tarp to minimize spreading.
3. Prevent entry into waterways, sewers, basements or confined areas.

FIRST AID

1. Move victim to fresh air.
2. Call emergency medical care.
3. Apply artificial respiration if victim is not breathing.
4. Administer oxygen if breathing is difficult.
5. Remove and isolate contaminated clothing and shoes.
6. In case of contact with substance, immediately flush skin or eyes with running water for at least 20 minutes.
7. Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.



WORLD RESOURCES COMPANY

ARIZONA RECYCLING FACILITY

In partnership with the environment

LDRN
LAND DISPOSAL RESTRICTION
NOTICE



ISO 14001 Certified Recycling Facility

D007

A copy of this Notice must be retained by the Generator for **at least three (3) years**, pursuant to U.S. EPA Regulation 40 CFR §268.7(a)(8). Moreover, **the Generator should check** the hazardous-waste regulations of his/her own State, inasmuch as, if there is a State analogue to the federal regulation, it may require a longer retention time, such as five (5) years. It should also be noted that the federal regulation--and, typically, State analogues as well--requires the retention period to be extended further in specified cases.

To: **WORLD RESOURCES COMPANY** 8113 West Sherman Street, Tolleson AZ 85353-4025

From: COMPANY NAME: Alaskan Copper Works COMPANY ADDRESS: P.O. Box 3546, Seattle, WA 98124

MANIFEST
NUMBER:

06001

DATE OF
SHIPMENT:

3-29-06

This shipment of material is subject to the land disposal restrictions of 40 CFR Part 268. The applicable land disposal restriction information, provided in accordance with 40 CFR §268.7(a)(2), is as shown in this table ↓

EPA Material Number	Treatability Group	CFR Reference for Treatment Standards
D007	non-wastewater	40 CFR §268.40

SIGNATURE:

TITLE:

Enviro. Asst

NAME PRINTED:

Gerard Thompson

DATE:

3/29/06

Instructions for the Completion of this Land Disposal Restriction Notice (**D007** LDRN)

This LDRN has been prepared based on a listed material--D007--as the primary designation of the material. This designation is based on information furnished by the Generator of the material. While it is believed to be accurate, it is the Generator's responsibility to determine whether his/her material is restricted from land disposal, and to correctly complete the LDR Notice [as stated in 40 CFR §268.7(a)(2)].

If your material is described by additional "D" characteristic EPA waste codes, then they must each be included on the LDR Notice.

D007 GENERATORS

Material Safety Data Sheet

D007 Recyclable Material (Filter Cake)

Recycler's Facility Name and Site Address:
World Resources Company
8113 West Sherman Street
Tolleson, Arizona 85353-4025
Tel.: 602/233-9166 Fax: 623/936-9164

January 2002 DLS

Call CHEMTREC only in the event of emergencies during shipping that involve a spill, leak, fire, or accident (all calls are recorded).

For emergencies during shipping in the US or Canada, day or night, call: **CHEMTREC 800/424-9300**.

(Use CHEMTREC Company Code "WORR".)
For calls from other countries, call COLLECT: 703/527-3887.

Section 1

EPA Waste Classification: D007
Generic Name: Chromium-Bearing Filter Cake
Chemical Family: Metallic (Hydroxide) Participates
Synonym: Nonferrous Metal Hydroxide Filter Cake

DOT Shipping Name: RQ, Hazardous waste solid, n.o.s., (D007)
DOT Hazard Class: 9; **Packing Group:** III.
DOT Identification Number: NA 3077
Guide 171 of *The North American Emergency Response Guidebook* applies.

Material Identification

Section 2

Ingredient:	CAS Number:	Content%:
Copper Hydroxide	20427-59-2	0-30
Nickel Hydroxide	12054-48-7	0-15
Calcium Hydroxide	1305-62-0	0-15
Diatomite	61790-53-2	0-10
Chromic Hydroxide	1308-58-1	1-20

ACGIH-TLV:	
1.0 mg(Cu)/m ³ (dust)	
1.0 mg(Ni)/m ³ (dust)	
5.0 mg(Ca)/m ³ (dust)	
10.0 mg/m ³ (dust)	
0.05 mg(Cr)/m ³ (dust)	

Hazardous Ingredients

Toxicology (rat, oral):	
LD-50 1,000 mg/kg	
LD-50 1,500 mg/kg	
LD-50 7,340 mg/kg	
LD-50 not determined	
LD-50 not determined	

Section 3

Description: solid, clay-like, gray/green to brown, water content 30-80%
Specific Gravity: 2.5 to 3.5
Solubility: insoluble in water.
Incompatible Reactivity: none known.

Vapor Pressure: insignificant.
Stability: avoid contact with acids.
Polymerization: will not occur.
Density: 50-90 lbs./cu ft.

Physical and Reactivity Data

Boiling Point: above 2600°C
Melting Point: above 1800°C
pH: 7.0 to 10.0
Odor: nil.

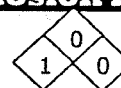
Section 4

Flashpoint: nonflammable.
Special Firefighting Procedures: none.
Product Decomposition (due to fire or explosion): none.

Oxidation: non-oxidizing.
Explosion Potential: non-explosive.

Fire and Explosion Data

NFPA
Fire Diamond



Section 5

Listed Carcinogenic Components: nickel, chromium
Toxicology: see Section 2.
Route of Entry: inhalation and ingestion.

Toxicity

Section 6

Health Effects and First Aid

Inhalation: Dust may irritate mucous membranes and upper respiratory tract. Remove to fresh air and treat symptoms.
Ingestion: Rare. Induce vomiting and call a physician—but never induce vomiting or give a liquid to an unconscious person.
Eyes: Dust may irritate eyes. Wash with copious amounts of water for 15 minutes. If effects persist, call a physician.
Skin: Dust may irritate skin, causing forms of eczema. Wash with soap and water.
Long-Term: Long-term chronic over-exposure may affect the following target organs or body systems: blood; digestive; respiratory; lungs; liver; kidneys; and skin.
Comments: Special attention should be given to employees with anemia, restricted respiratory abilities, lung cancer, permanent kidney damage, mental-sensitive skin, or skin lesions.

Section 7

Precautions for Safe Handling

Handling: Good personal and industrial hygiene should always be practiced. It is recommended that personal protective equipment (PPE) be used by personnel who will come in contact with the material. The PPE should include eye protection, respirator and gloves.
Storage: Keep covered and avoid conditions where wind could cause dispersal. Do not eat, drink or smoke where material is handled, to avoid inhalation or ingestion. Store in a dry area under cover to protect from rain or snow.
Spills: Use cleaning procedures that avoid creating excessive dust. Vacuum when possible. Package material and ship to World Resources Company at the address shown above.

Section 8

Control Measures

Respiratory Protection: NIOSH-MSHA approved respirators as required.
Other Protective Equipment: coveralls are recommended but not required.

Eye Protection: safety glasses are recommended.
Hand Protection: gloves are recommended.

Section 9

Generator's Verification

This MSDS describes the recyclable material listed in the attached Manifest Number:

060001

Signature

3/29/06
Date

Alaskan Copper Works
P.O. Box 3546, Seattle, WA 98124
Company Name and Address

206-382-8379
Telephone

MATERIAL IDENTIFICATION

DOT BASIC SHIPPING DESCRIPTION AND TECHNICAL NAME:
Hazardous waste, solid, n.o.s., (F006), 9, NA3077, III

NORTH AMERICAN
EMERGENCY
RESPONSE

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3. Keep unauthorized personnel away.
4. Stay upwind.

PROTECTIVE CLOTHING

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EVACUATION

Fire

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EMERGENCY RESPONSE

FIRE

Small Fires

1. Dry chemical, CO₂, water spray or regular foam.

Large Fires:

1. Water spray, fog or regular foam.
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1. Move victim to fresh air.
2. Call emergency medical care.
3. Apply artificial respiration if victim is not breathing.
4. Administer oxygen if breathing is difficult.
5. Remove and isolate contaminated clothing and shoes.
6. In case of contact with substance, immediately flush skin or eyes with running water for at least 20 minutes.
7. Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.



WORLD RESOURCES
COMPANY

In partnership with the environment

LAND DISPOSAL
RESTRICTION NOTICE



ISO 9001:2000 & 14001 Certified Recycling Facility

F006

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To: **WORLD RESOURCES COMPANY** 8113 West Sherman Street, Tolleson AZ 85353-4025
From: **COMPANY NAME:** Alaskan Copper Works **COMPANY ADDRESS:** 3200 6th Ave S. Seattle WA 98134
MANIFEST NUMBER: 06001 **DATE OF SHIPMENT:** 3-29-06

This shipment of material is subject to the land disposal restrictions of 40 CFR Part 268.
The applicable land disposal restriction information, provided in accordance with 40 CFR §268.7(a)(2), is as shown in this table ↓

EPA Material Number	Treatability Group	CFR Reference for Treatment Standards
F006	non-wastewater	40 CFR §268.40

SIGNATURE: [Signature] **TITLE:** Enviro. Asst.
NAME PRINTED: GERALD Thompson **DATE:** 3/29/06

Instructions for Completion of this Land Disposal Restriction Notice [LDRN]

This LDRN has been prepared based on a listed material--F006--as the primary designation of the material. This designation is based on information furnished by the Generator of the material. While it is believed to be accurate, it is the Generator's responsibility to determine whether his/her material is restricted from land disposal, and to correctly complete the LDR Notice [as stated in 40 CFR §268.7(a)(2)].

An F006 designation on the LDRN includes the following constituents: cadmium [D006], chromium [D007], lead [D008], silver [D011], cyanide, and nickel. However, the designation does not include arsenic [D004], barium [D005], mercury [D009], or selenium [D010]. If your F006 material contains any of those four constituents not included in the F006 designation, then use the following instructions.

In determining the need for any additional entries on the LDRN for the F006 material, the levels of arsenic, barium, mercury and selenium must be examined to determine if the levels equal or exceed the threshold concentrations of constituents for the Toxicity Characteristic limit as identified in 40 CFR §261.24 (Table 1), as shown in the left-hand column of the table below [as stated in 40 CFR §268.9].

If (after testing or based upon the generator's knowledge of the material) each metal level does not equal the Toxicity Characteristic level shown below, then no additional entry is required on the LDR Notice. If the level is known to be or determined to be equal to or above the limit shown below for any of these metals, then the appropriate information corresponding to that individual metal (in the right-hand column below) must be added to the LDR Notice.

REFERENCE INFORMATION TOXICITY CHARACTERISTIC		APPROPRIATE ENTRY ON LDR NOTICE		
Metal	Concentration Level	EPA Material Number	Treatability Group	CFR Reference for Treatment Standards
ARSENIC	5.0 mg/l	D004	non-wastewater	40 CFR §268.40
BARIUM	100 mg/l	D005	non-wastewater	40 CFR §268.40
MERCURY	.02 mg/l	D009	non-wastewater	40 CFR §268.40
SELENIUM	1.0 mg/l	D010	non-wastewater	40 CFR §268.40

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FO06 GENERATORS

AKC-0016728

Material Safety Data Sheet

MSDS ID # AZ-10-A

F006 Recyclable Material (Filter Cake)

Recycler:

World Resources Company

8113 West Sherman Street

Tolleson, Arizona 85353-4025

Tel: 602-233-9166 Fax: 623-936-9164

January 2004 DLS

Call CHEMTREC only in the event of
emergencies during shipping that
involve a spill, leak, fire or accident
(all calls are recorded)

For Emergencies During Shipping in
the US or Canada, Day or Night,

Call: **CHEMTREC 800-424-9300**

Use CHEMTREC Company Code "W0RR"

From other countries call: 703-527-3887

Section 1

Material Identification

EPA Waste Classification: F006**Generic Name:** Electroplating/Metal-Finishing Wastewater Treatment Sludge**Chemical Family:** Metallic (Hydroxide) Precipitates**Synonym:** Non-ferrous Metal Hydroxide Filter Cake**DOT Shipping Name:** RQ, Hazardous waste solid, n.o.s. (F006)**DOT Hazard Class:** 9**DOT Packing Group:** III**DOT Identification Number:** NA 3077

Guide 171 of the North American Emergency Response Guidebook Applies

Section 2

Hazardous Ingredients

Ingredient:	CAS Number:	Content (%):	OSHA PEL (8hr TWA):	Toxicology (rat, oral):
Copper Hydroxide	20427-59-2	0 - 30	1.0 mg(Cu)/m ³ (Dust)	LD-50 1,000 mg/kg
Nickel Hydroxide	12054-48-7	0 - 15	1.0 mg(Ni)/m ³ (Dust)	LD-50 1,500 mg/kg
Calcium Hydroxide	1305-62-0	0 - 15	15.0 mg/m ³ (Dust)	LD-50 7,340 mg/kg
Diatomite	61790-53-2	0 - 10	6.0 mg/m ³ (Dust)	LD-50 Not Determined

Section 3

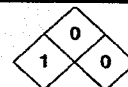
Physical and Reactivity Data

Description: Solid, Clay-like, Gray/Green to Brown, Moisture ~ 30 - 80%	Density: 50 - 90 lbs/ft ³	Boiling Point: Above 2,600°C
Specific Gravity: 2.5 to 3.5	Incompatible Reactivity: None Known	Melting Point: Above 1,800°C
Solubility: Insoluble in Water	Vapor Pressure: Insignificant	pH: 7.0 to 10.0
	Stability: Avoid Contact with Acids	Odor: Nil
		Polymerization: Will Not Occur

Section 4

Fire and Explosion Data

Flashpoint: Nonflammable	Oxidation: Non-oxidizing
Special Firefighting Procedures: None	Explosive: Non-explosive
Decomposition (Due to Fire or Explosion): None	

**NFPA
Fire Diamond**

Section 5

Toxicity

Listed Carcinogen Components: Nickel	Toxicology: See Sec. 2	Route of Entry: Inhalation, Ingestion
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Section 6

Health Effects and First Aid

Inhalation:	Dust may irritate mucous membranes and upper respiratory tract. Remove to fresh air and treat symptoms.
Ingestion:	Rare in industry. Induce vomiting (do not induce vomiting or give a liquid to an unconscious person) and call a physician.
Eyes:	Dust may irritate eyes. Wash with copious amounts of water for 15 minutes, if effects persist, call a physician.
Skin:	Dust may irritate skin with prolonged contact. Wash with soap and water.
Comments:	Special attention should be given to employees with anemia, restricted respiratory abilities, lung cancer, permanent kidney damage and metal-sensitive skin or skin lesions. Unprotected long-term overexposure may cause effects to the following target organs or body systems - blood, digestive, respiratory, liver, kidneys and skin.

Section 7

Precautions for Safe Handling

Handling:	Good personal and industrial hygiene should always be practiced. It is recommended that personal protective equipment (PPE) be used by personnel who will come in contact with this material. The PPE should include eye protection, respirator and gloves.
Storage:	Keep covered and avoid conditions where wind could cause dispersal. Do not eat, drink or smoke where material is handled to avoid inhalation or ingestion. Store in a dry area under cover to protect from rain.
Spills:	Use cleaning procedures that avoid creating excessive dust. Vacuum when possible. Package material and ship to consignee or return to World Resources Company at the above address.

Section 8

Control Measures

Respiratory Protection: NIOSH-MSHA approved respirators as required.	Eye Protection: Safety glasses recommended.
Other Protective Equipment: Coveralls are recommended, but not required.	Hand Protection: Gloves recommended.

Section 9

Generator's Verification

This MSDS describes the material listed in the attached Manifest #:

Company Name: Alaskan Copper Works**Company Address:** 3700 6th Ave S, Seattle WA 98134**Telephone:** 206-382-8379**Date:** 3/28/06**Signature:** [Signature]